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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A compound of formula (1):

$$\mathbb{R}^4$$
 \mathbb{R}^5
 \mathbb{R}^5
 \mathbb{R}^3
 \mathbb{R}^3
 \mathbb{R}^3
 \mathbb{R}^3
 \mathbb{R}^3
 \mathbb{R}^3
 \mathbb{R}^3

wherein:

R4 and R5 together are either -S-C(R6)=C(R7)- or -C(R7)=C(R6)-S-:

R⁶ and R⁷ are independently selected from hydrogen, halo, nitro, cyano, hydroxy, fluoromethyl, difluoromethyl, trifluoromethyl, trifluoromethoxy, carboxy, carbamoyl, (1-4C)alkyl, (2-4C)alkynyl, (1-4C)alkoxy and (1-4C)alkanoyl;

A is phenylene;

n is 0, 1 or 2:

R¹ is independently selected from halo, nitro, cyano, hydroxy, carbaxy, carbamoyl, N-(1-4C)alkylcarbamoyl, N,N-((1-4C)alkyl)₂carbamoyl, sulphamoyl, N-(1-4C)alkylsulphamoyl, N,N-((1-4C)alkyl)₂sulphamoyl, -S(O)₀(1-4C)alkyl (wherein b is 0,1,or 2), -OS(O)₂(1-4C)alkyl, (1-4C)alkyl, (2-4C)alkenyl, (2-4C)alkynyl, (1-4C)alkoxy, (1-4C)alkanoyl, (1-4C)alkanoyloxy, hydroxy(1-4C)alkyl, fluoromethyl, difluoromethyl, trifluoromethyl, trifluoromethoxy and -NHSO₂(1-4C)alkyl;

or, when n is 2, the two R¹ groups, together with the carbon atoms of A to which they are attached, may form a 4 to 7 membered saturated ring optionally being substituted by one or two methyl groups;

one of R² and R³ is selected from R_Na, and the other is selected from R_Nb;

R_{Na}: (1-3C)alkyl, halo(1-3C)alkyl, dihalo(1-3)alkyl, trifluoromethyl, hydroxy(1-3C)alkyl, dihydroxy(2-3C)alkyl, cyano(1-3C)alkyl (optionally substituted on alkyl with hydroxy), methoxymethyl, ethoxymethyl, methoxyethyl, methoxymethyl, dimethoxyethyl, (hydroxy)(methoxy)ethyl, 5-and 6-membered acetals and mono- and di-methyl derivatives thereof, (amino)(hydroxy)(2-3C)alkyl, (aminocarbonyl)(hydroxy)(2-3C)alkyl,

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(methylaminocarbonyl)(hydroxy)(2-3C)alkyl, (dimethylaminocarbonyl)(hydroxy)(2-3C)alkyl, (methylcarbonylamino)(hydroxy)(2-3C)alkyl, (methylS(O)_p-)(hydroxy)(2-3C)alkyl (wherein p is 0, 1 or 2):

- R_{ND} : (1-4C)alkyl, halo(1-4C)alkyl, dihalo(1-4C)alkyl, trifluoromethyl, hydroxy(1-4C)alkyl, dihydroxy(2-4C)alkyl, trihydroxy(3-4C)alkyl, cyano(1-4C)alkyl (optionally substituted on alkyl with hydroxy), (1-4C)alkoxy(1-4C)alkyl, (1-4C)alkoxy(1-4C)alkyl.
- di[(1-4C)alkoxy](2-4C)alkyl, (hydroxy)[(1-4C)alkoxy](2-4C)alkyl, 6-and 6-membered acetals and mono- and di-methyl derivatives thereof, (amino)(hydroxy)(2-4C)alkyl,

(aminocarbonyl)(hydroxy)(2-4C)alkyl, ((1-4C)alkylaminocarbonyl)(hydroxy)(2-4C)alkyl, (di(1-4C)alkylaminocarbonyl)(hydroxy)(2-4C)alkyl,

 $((1-4C)alkylcarbonylamino)(hydroxy)(2-4C)alkyl, ((1-4C)alkylS(O)_p-)(hydroxy)(2-4C)alkyl (wherein p is 0, 1 or 2);$

wherein any alkyl or alkoxy group within any group in R_NA and R_NB may also optionally be substituted on an available carbon atom with a hydroxy group (provided that said carbon atom is not already substituted by a group linked by a heteroatom);

provided that if R² is (1-3C)alkyl or (1-4C)alkyl then R³ is not (1-4C)alkyl or (1-3C)alkyl; or a pharmaceutically acceptable salt or pro-drug-thereof.

- (currently amended) A compound of formula (1) as claimed in Claim 1, or a pharmaceutically
 acceptable salt or pro-drug-thereof, wherein R² is selected from R_Na, and R³ is selected from
 R_Nb, wherein R_Na and R_Nb are as defined in Claim 1.
- 3. (cancelled)
- 4. (currently amended) A compound of formula (1) as claimed in Claim 1, or a pharmaceutically acceptable salt or pro-drug-thereof, wherein n is 0.
- 5. (currently amended) A compound of formula (1) as claimed in Claim 1, or a pharmaceutically acceptable salt or pro-drug-thereof, wherein R⁶ and R⁷ are independently selected from hydrogen and halo.
- (currently amended) A compound of formula (1) as claimed in Claim 1, or a pharmaceutically acceptable salt er-pre-drug-thereof, wherein R⁶ and R⁷ are independently selected from hydrogen and chloro.

- (currently amended) A compound of formula (1) as claimed in Claim 1, or a pharmaceutically acceptable sait or-pro-drug-thereof, wherein R_Na is selected from (1-4C)alkyl, hydroxy(1-4C)alkyl, and (1-4C)alkoxy(1-4C)alkyl.
- 8. (currently amended) A compound of formula (1) as claimed in Claim 1, or a pharmaceutically acceptable salt er-pre-drug-thereof, which is a compound of formula (1A):

$$R^4$$
 R^5
 R^5
 R^5
 R^7
 R^3
 R^3
 R^3
 R^4
 R^3
 R^3
 R^3
 R^3

wherein R1 to R7. A and n are as defined in claim 1.

- 9. (cancelled)
- 10. (original) A pharmaceutical composition which comprises a compound of the formula (1), or a pharmaceutically acceptable salt or in-vive hydrolysable-ester-thereof, as claimed in claim 1 in association with a pharmaceutically-acceptable diluent or carrier.
- 11-15. (cancelled)
- 16. (withdrawn) A process for the preparation of a compound of formula (1) as claimed in claim 1, which process comprises:

reacting an acid of the formula (2):

or an activated derivative thereof; with an amine of formula (3):

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$$R^2$$
 N
 R^3
 H_2N
 A
 $(R^1)_n$

and thereafter if necessary:

- i) converting a compound of the formula (1) into another compound of the formula (1);
- ii) removing any protecting groups;
- iii) forming a pharmaceutically acceptable salt-or in vivo hydrolysable ester.
- 17. (currently amended) A compound of formula (1), or a pharmaceutically acceptable salt-of pro-drug thereof, selected from:
- 2-chloro-*N*-{(1*R*,2*R*)-1-[(methoxyacetyl)(methyl)amino]-2,3-dihydro-1*H*-inden-2-yl}-6*H*-thieno[2,3-b]pyrrole-5-carboxamide;
- 2-chloro-*N*-{(1*R*,2*R*)-1-[[3-hydroxy-2-(hydroxymethyl)propanoyl](methyl)amino]-2,3-dihydro-1*H*-inden-2-yl]-6*H*-thieno[2,3-b]pyrrole-5-carboxamide;
- ethyl $3-[((1R,2R)-2-[((2-chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl]amino}-2,3-dihydro-1H-inden-1-yl)(methyl)amino}-3-oxopropanoate;$
- 2-[((1R,2R)-2-[(2-chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl]amino]-2,3-dihydro-1H-inden-1-yl)(methyl)amino]-2-oxoethyl acetate;
- 2-chloro-*N*-{(1*R*,2*R*)-1-[glycoloyl(methyl)amino]-2,3-dihydro-1*H*-inden-2-yl}-6*H*-thieno[2,3-b]pvrrole-5-carboxamide:
- 2-chloro-*N*-{(1*R*,2*R*)-1-[glyceroyl(methyl)amino]-2,3-dihydro-1*H*-inden-2-yl}-6*H*-thieno[2,3-b]pyrrole-5-carboxamide;
- 2-chloro-*N*-{(1*R*,2*R*)-1-[((2*S*)-2,3-dihydroxypropanoyl](methyl)amino]-2,3-dihydro-1*H*-inden-2-yl}-6*H*-thieno[2,3-*b*]pyrrole-5-carboxamide;
- $\label{lem:condition} 2-chloro-N-\{(1R,2R)-1-[I(2R)-2,3-dihydroxypropanoy]] (methyl) amino]-2,3-dihydro-1H-inden-2-yl-6H-thieno[2,3-b]pyrrole-5-carboxamide;$
- $\label{lem:lemon} 2- chloro-N-\{(1R,2R)-1-[(3-hydroxypropanoyl)(methyl)amino]-2,3-dihydro-1H-inden-2-yl\}-6H-thieno[2,3-b]pyrrole-5-carboxamide;$
- 2-chloro-*N*-{(1*R*,2*R*)-1-[glycoloyl(2-hydroxyethyl)amino]-2,3-dihydro-1*H*-inden-2-yl}-6*H*-thieno[2,3-*b*]pyrrole-5-carboxamide;

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- 2-chloro-*N*-{(1*R*,2*R*)-1-[[(2*R*)-2-hydroxypropanoyl](methyl)amino]-2,3-dihydro-1*H*-inden-2-yl}-6*H*-thieno[2,3-*b*]pyrrole-5-carboxamide;
- 2-chloro-*N*-{(1*R*,2*R*)-1-[[(2*S*)-2-hydroxypropanoyl](methyl)amino]-2,3-dihydro-1*H*-inden-2-yl]-6*H*-thieno[2,3-*b*]pyrrole-5-carboxamide;
- 2,3-dichloro-*N*-{(1*R*,2*R*)-1-[[(2*R*)-2,3-dihydroxypropanoyl](methyl)amino]-2,3-dihydro-1*H*-inden-2-yl)-4*H*-thieno(3,2-blpyrrole-5-carboxamide
- 2,3-dichloro-*N*-{(1*R*,2*R*)-1-[[(2S)-2,3-dihydroxypropanoyl](methyl)amino]-2,3-dihydro-1*H*-inden-2-yl)-4*H*-thleno[3,2-b]pyrrole-5-carboxamide;
- $(2S)-N^{1}-((1R,2R)-2-[[(2-chloro-6H-thieno[2,3-b]pyrrol-5-yl)carbonyl]amino)-2,3-dihydro-1H-inden-1-yl)-2-hydroxy-N^{1}-methylsuccinamide;$
- (2S)-N¹-((1R,2R)-2-{[(2,3-dichloro-4*H*-thieno[3,2-*b*]pyrrol-5-yl)carbonyl]amino}-2,3-dihydro-1*H*-inden-1-yl)-2-hydroxy-N¹-methylsuccinamide:
- 2,3-dichloro-*N*-{(1*R*,2*R*)-1-[(2*S*)-2-hydroxybutanoyl](methyl)amino]-2,3-dihydro-1*H*-inden-2-yl}-4*H*-thienoi3.2-bipyrrole-5-carboxamide:
- 2,3-dichloro-*N*-{(1*R*,2*R*)-1-[[(2*S*)-2-hydroxy-3-methylbutanoyl](methyl) amino]-2,3-dihydro-1*H*-inden-2-yl]-4*H*-thleno[3,2-b]pyrrole-5-carboxamide;
- $2, 3- dichloro-\textit{N-}\{(1R,2R)-1-[[(2S)-4-(1,3-dioxo-1,3-dihydro-2\textit{H-}isoindol-2-yl)-2-hydroxy\}$
- butanoyl](methyl)amino]-2,3-dihydro-1*H*-inden-2-yl}-4*H*-thieno[3,2-*b*]pyrrole-5-carboxamide;
- 2,3-dichloro-*N*-{(1*R*,2*R*)-1-[[(2*R*)-2-hydroxy-3-(methylthio)propanoyi](methyl)amino]-2,3-dihydro-1*H*-inden-2-yl}-4*H*-thieno[3,2-b]pyrrole-5-carboxamide;
- 2,3-dichloro-*N*-{(1*R*,2*R*)-1-[[(2*S*)-3-cyano-2-hydroxypropanoyl](methyl) amino]-2,3-dihydro-1*H*-inden-2-yl]-4*H*-thieno[3,2-*b*]pyrrole-5-carboxamide;
- $N-\{(1R,2R)-1-[(N-acetylseryl)(methyl)amino]-2,3-dihydro-1H-inden-2-yl\}-2-chloro-6H-thleno[2,3-b]$ pyrrole-5-carboxamide;
- N-{(1R,2R)-1-[(N-acetylseryl)(methyl)amino}-2,3-dihydro-1H-inden-2-yl}-2,3-dichloro-4H-thieno[3,2-b]pyrrole-5-carboxamide;
- 2,3-dichloro-*N*-{(1*R*,2*R*)-1-[methyl(L-seryl)amino]-2,3-dihydro-1*H*-inden-2-yl]-4*H*-thieno[3,2-b]pyrrole-5-carboxamide hydrochloride;
- 2-chloro-*N*-{(1*R*,2*R*)-1-[methyl(L-seryl)amino]-2,3-dihydro-1*H*-inden-2-yl}-6*H*-thieno[2,3-*b*]pyrrole-5-carboxamide hydrochloride;
- $(2S)-N^{l}-((1R,2R)-2-[[(2-\text{chloro-}6H-\text{thieno}[2,3-b]pyrrol-5-yl)carbonyl]amino}-2,3-dihydro-1H-inden-1-yl)-2-hydroxy-N^{l}-methylpentanediamide;$

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- $(2S)-N^{-}((1R,2R)-2-[(2,3-dichloro-4H-thieno[3,2-b]pyrrol-5-yl)carbonyl]amino}-2,3-dihydro-1H-inden-1-yl)-2-hydroxy-N^{-}methylpentanediamide;$
- 2-chloro-*N*-{(1*R*,2*R*)-1-[[(2*S*)-2-hydroxy-3-methoxypropanoyl](methyl) amino]-2,3-dihydro-1*H*-inden-2-yl]-6*H*-thieno[2,3-*b*]pyrrole-5-carboxamide;
- 2,3-dichloro-*N*-{(1*R*,2*R*)-1-[[(2*S*)-2-hydroxy-3-methoxypropanoyl](methyl)amino]-2,3-dihydro-1*H*-inden-2-v|)-4*H*-thieno[3,2-*b*]pyrrole-5-carboxamide:
- 2,3-dichloro-*N*-{(1*R*,2*R*)-1-[[(2*R*)-2-hydroxy-3-(methylsulfonyl)propanoyl](methyl)amino]-2,3-dihydro-1*H*-inden-2-yl)-4*H*-thieno[3,2-*b*]pyrrole-5-carboxamide;
- N-{(1R,2R)-1-[[(2S)-3-amino-2-hydroxypropanoyl](methyl)amino]-2,3-dihydro-1*H*-inden-2-yl}-2,3-dihloro-4*H*-thieno[3,2-b]pyrrole-5-carboxamide hydrochloride;
- (2S)-N¹-((1R,2R)-2-{[(2,3-dichloro-4*H*-thieno[3,2-*b*]pyrrol-5-yl)carbonyl]amino}-2,3-dihydro-1*H*-inden-1-yl)-2-hydroxy-N¹.N⁴-dimethylsuccinamide:
- (2S)-N¹-((1R,2R)-2-{[(2,3-dichloro-4*H*-thieno[3,2-*b*]pyrrol-5-yl)carbonyl] amino}-2,3-dihydro-1*H*-inden-1-yl)-2-hydroxy-N¹.N⁴.N⁴-trimethylsuccinamide:
- 2-chloro-*N*-{(1*R*,2*R*)-1-[glyceroyl(2-hydroxyethyl)amino]-2,3-dihydro-1*H*-inden-2-yl}-6*H*-thieno[2,3-*b*]pyrrole-5-carboxamide;
- 2-chloro-N-{(1R,2R)-1-[[(2R)-2,3-dihydroxypropanoyl](2-hydroxyethyl)amino]-2,3-dihydro-1H-inden-2-yl)-6H-thieno[2,3-b]pyrrole-5-carboxamide; and
- 2-chloro-*N*-{(1*R*,2*R*)-1-[[(2*S*)-2,3-dihydroxypropanoyl](2-hydroxyethyl)amino]-2,3-dihydro-1*H*-inden-2-yl]-6*H*-thieno[2,3-*b*]pyrrole-5-carboxamide.
- 18. (withdrawn) A method of producing a glycogen phosphorylase inhibitory effect in a warm-blooded animal, such as man, in need of such treatment which comprises administering to said animal an effective amount of a compound of formula (1) as claimed in claim 1.
- 19. (withdrawn) A method of treating type 2 diabetes, insulin resistance, syndrome X, hyperinsulinaemia, hyperglucagonaemia, cardiac ischaemia or obesity in a warm-blooded animal, such as man, in need of such treatment which comprises administering to said animal an effective amount of a compound of formula (1) as claimed in claim 1.
- 20. (withdrawn) A method of treating type 2 diabetes in a warm-blooded animal, such as man, in need of such treatment which comprises administering to said animal an effective amount of a compound of formula (1) as claimed in claim 1.